1. Write a function to create vector A, for example, A = (2,4,5,7) and, return a vector with the sum of each value with the previous value. In this example, the result is: Res = (2,6,9,12).

2. Write a function to create vector A, for example, A = (2,4,5,7) and, return a vector with the sum of each value with the next value. In this example, the result is: Res = (6,9,12,7).

3. Write a function to create vector A, for example, A = (2,4,5,7) and, return a vector with even numbers and another with odd numbers. In this exercise there are not repeated numbers.

4. Write a function to ask a user for a grade using the keyboard. The code has to classify the grade: fail or pass

5. Write a function to ask a user or a grade using the keyboard. The code has to classify the grade: fail, pass, good, with honors

6. Write a function to ask a user for 5 grades using the keyboard. The code has to classify the grade: fail or pass

7. Given a vector which contains the grades of 10 students, write a function that count the number of passes and fails
   a. Count number of fail, pass, good and with honors

4	7	2	9	3	5	7	9.5	3	8

8. Given a vector which contains the grades of 10 students with the following format: numeric grade, Yes/No (it indicates if the student is an Erasmus student or not). You have to count:

   a. Number of Erasmus students
   b. Number of pass and fail
        i. By Erasmus
        ii. Total
   c. Add a point to the numerical grade of the Erasmus students
   d. Number of pass and fail
        i. By Erasmus
        ii. Total

Vector:

4	Yes	8	No	6	Yes	8	Yes	3	No